## Responses to Comments in Letter 133 from Gillian Arsenault, MD, Fraser Valley Health Region

***Note: The responses listed below are numbered to correspond to the numbers shown in the right-hand margin of the preceding comment letter.***

1. Please see Letter 3, Response to Comment 2 for a discussion of air quality emissions from the proposed facility and their impacts in the Lower Fraser Valley.

2. Please see General Response D, which discusses the potential impacts to the Sumas aquifer as a result of the increased pumping required for this project.

3. Steel poles would be used for the Canadian portion of the 230 kV transmission line. The poles would be located approximately every 100 meters and utilize pile cap footings. The cap footings involve a matrix of several pipe piles augered down to hard stratum, filled with concrete, and capped by a concrete pad. The structures are designed to meet standards established for the seismic zone (UBC 4 rating) as well as anticipated wind and ice loadings that could be expected for the specific location.

   The route of the proposed transmission line is primarily within existing road and transmission line corridors with adjacent trees and buildings. Consequently, the towers would not likely increase hazards to air traffic. The towers would be between 80 and 100 feet tall. Maps and aerial photographs are available in the *Environmental Assessment Report, Sumas Energy 2, Inc. 230kV Electric Transmission Line, Sumas, Washington to B.C. Hydro's Clayburn Substation, Abbotsford, B.C.* (Norecol Dames & Moore 1999).